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2872  
Patent Application  
Docket No. USF-T159XC1  
Serial No. 10/089,266

Jeff Lloyd, Patent Attorney

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Examiner : (not yet assigned)  
Art Unit : 2872  
Applicant(s) : Myung K. Kim  
Serial No. : 10/089,266  
Filed : March 27, 2002  
For : Digital Interference Holographic Microscope and Methods

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §§1.97 AND 1.98**

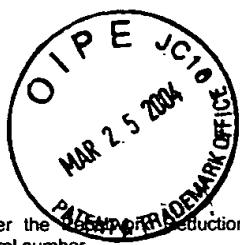
Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

Applicant respectfully asserts that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,  
  
Jeff Lloyd  
Patent Attorney  
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Gainesville, FL 32606-6669

JL/srp  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/089,266
Filing Date	March 27, 2002
First Named Inventor	Myung K. Kim
Group Art Unit	2872
Examiner Name	(not yet assigned)
Attorney Docket Number	USF-T159XC1

**NON PATENT LITERATURE DOCUMENTS**

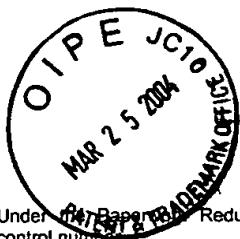
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	R1	CUCHE, E. et al., Digital holography for quantitative phase-contrast imaging, Optics Letters, March 1, 1999, 291-293, Vol. 24, Issue 5.	
	R2	DAKOFF, A. et al., Microscopic three-dimensional imaging by digital interference holography, Journal of Electric Imaging, October 2003, 1-5, Vol. 12, Issue 4.	
	R3	KARNAUKHOV, V.N. et al., Digital Display Holograms, Optics and Lasers in Engineering, 1998, 361-367, Vol. 29.	
	R4	KIM, M.K., Digital Interference Holography: Development of a New Tomographic Microscopy Instrument, National Science Foundation, August 26, 2002, 1.	
	R5	KIM, M.K., Microscopic Tomography by Digital Interference Holography, SPIE Proceedings, 8 pages, Vol. 5324, No. 18 (not yet published).	
	R6	KIM, M.K., Tomographic three-dimensional imaging of a biological specimen using wavelength-scanning digital interference holography, Optics Express, October 23, 2000, 305-310, Vol. 7, Issue 9.	
	R7	KIM, M.K., Wavelength-scanning digital interference holography for optical section imaging, Optics Letters, December 1, 1999, 1693-1695, Vol. 24, Issue 23.	
	R8	KREIS, T.M. et al., Methods of Digital Holography: A Comparison, Proc. SPIE, 1997, 224-233, Vol. 3096.	
	R9	KREIS, TM., et al., Digital Holography: Methods and Applications, Proc. SPIE, 1998, 104-115, Vol. 3407.	
	R10	LE CLERC, F. et al., Numerical heterodyne holography with two -dimensional photodetector arrays, Optics Letters, 716-718, Vol. 25, Issue 10.	
	R11	PIESTUN, R. et al., On-axis computer-generated holograms for three-dimensional display, Optics Letters, 922-924, Vol. 22, No. 12.	
	R12	POON, T.C., et al., Three-dimensional microscopy by optical scanning holography, Optical Engineering, May 1995, 1338-1344, Vol. 34, No. 5.	
	R13	SCHILLING, B.W. et al., Three-dimensional holographic fluorescence microscopy, Optics Letters, October 1, 1997, Vol. 22, No. 19.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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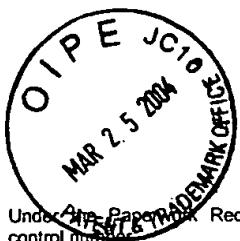
<b>NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	R14	SCHNARS, U. et al., Digital holography-a new method of laser metrology, Laser und Optoelektronik, 1994, 40-45, Vol. 26.
	R15	SEEBACHER, S., et al., Measuring Shape and Deformation of Small Objects using Digital, Proc. SPIE, July 1998, 104-115, Vol. 3479.
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	R17	YANG, H. et al., 3D digital hologram synthesis based on angular spectrum, Proc. SPIE, April 1998, 169-178, Vol. 3389.
	R18	YANG, HOON-GEE et al., Hologram segmentation for Relaxing Sampling Constraint in Digital Hologram, J. Korea Inst. Electronics Engineers, 1998, 76-81, Vol. 35D.
	R19	Yaroslavsky, Leonid et al., Fundamentals of Digital Optics-Digital Signal Processing in Optics and Holography, Birkhauser, 1996.
	R20	ZHANG, TONG et al., Three-dimensional microscopy with phase-shifting digital holography, Optics Letters, August 1, 1998, 1221-1223, Vol. 23, No. 15.
	R21	ZHANG, TONG et al., 3-D microscopy with phase-shifting digital holography, SPIE, July 1998, 152-159, Vol. 3479.
	R22	BROWN, GORDON C. et al., Holographic microscope for measuring displacements of vibrating microbeams using time-averaged, electro-optic holography, Opt. Eng., May 1998, 1398-1405, Vol. 37, No. 5.
	R23	HUANG, DAVID et al., Optical Coherence Tomography, Science, New Series, November 22, 1991, 1178-1181, Vol. 254, No. 5035.
	R24	ISENBERG, G., Modern Optics, Electronics, and High Precision Techniques in Cell Biology, Springer, 1998.
	R25	ROBB, RICHARD A., Three-Dimensional Biomedical Imaging, John Wiley & Sons, 1997.
	R26	SCHNARS, ULF et al., Digital recording and numerical reconstruction of holograms: reduction of the spatial frequency spectrum, Opt. Eng., April 1996, 977-982, Vol. 35, No. 4.

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	R27	SHEPPARD, C.J.R. et al., Confocal Laser Scanning Microscopy, Springer 1997.	
	R28	YAROSLAVSKII, L.P. et al., Methods of Digital Holography, Consultants Bureau, 1980.	
	R29		
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